

AMENDMENTS TO THE SPECIFICATION

Please replace the background heading as follows:

BACKGROUND-~~BACKGROUND~~ OF THE ~~INVENTION~~INVENTION

Please replace the third paragraph on page 1 of the specification as follows:

Refer to Figs 1-A & 1B, a conventional scanner 1 comprises a lower shell object 10 and an upper shell object 11, the lower shell object 10 usually has an ~~image-adopter-image adaptor~~ module 12, a transmission motor 14 and a transmission axle 15; the ~~image-adopter-image adaptor~~ module 12 has a lamp 120, a reflective plate 121, a lens 122 and an ~~image-image~~ sensor device 123; the scanner 1 scans the reflective sheet and obtains a digital data by only using the aforementioned components, the detailed steps are not mentioned here. If the user wants to scan the transparent sheet, a "Transparency Adaptor" 13 should be installed into the upper shell object 11. It is clearly shown in Fig 1-B, the "Transparency Adaptor" 13 has a lamp 130, a transmission motor 131 and a transmission axle 132. When the transparent sheet 2 is placed on the scanning platform 101, the light rays produced by the lamp ~~131-130~~ pass through the transparent sheet 2 and the ~~images-images~~ of the transparent sheet pass through the reflective plate 121, the lens 122 and are formed in the ~~image image~~ sensor device 123. Then the ~~image-image~~ sensor device 123 converts the ~~images-images~~ into the digital data for output. Then the transmission motor 14 drives the ~~image-adopter-image adaptor~~ module 12 to move along the direction of the transmission axle 15 (as the arrow shown in Fig 1B), in the meantime, the lamp 130 of the "Transparency Adaptor" 13 is driven synchronously by the transmission motor 131 and moved forward along the direction of the transmission axle 132. By the actions aforementioned, each portion of the transparent sheet has been exposed and converts digital data for output.

Please replace the first, second, and third full paragraphs on page 2 of the specification as follows:

The other conventional Transparency Adaptor is as shown in Figs 2A & 2B. Most components of the scanner 1 as shown in the Figs 2A & 2B are as the same as those of the scanner 1 as shown in the Figs 1A & 1B, the difference is that the transparency adaptor 16 of the upper shell object 11 comprises a lamp 160 and a light-conducting plate 161. The light-conducting plate 161 is used to distribute uniformly the light rays produced by the lamp 160, so the transparency adaptor 16 provides the light rays for the transparent sheet 2 without driven by a transmission motor. We obtain easily the digital data output by the image sensor device 123, when the transmission motor 14 drives the image adapter-image adaptor module 12 to move along the direction of the transmission axle 15.

The first kind of the conventional Transparency Adaptor aforementioned uses a lamp illuminating the reflective sheet directly, the light rays for the image sensor device 123 is stronger and the digital data output is better, but it needs a lot of components and complex structures, such as the transmission motor and the transmission axle, which increase the difficulty and the cost of combining the scanner. Oppositely, the second kind of the Transparency Adaptor which can decrease the difficulty and the cost of combining the scanner, but the light rays passing through the light-conducting plate is not efficiently and uniformly, the quality of the digital image-image output from the image-image sensor device cannot be improved.

SUMMARY OF THE INVENTION

It is therefore the object of the present invention is to improve the quality of the digital image-image output from the image-image sensor device by obtaining highly uniform light rays for a transparent sheet of a scanner.

Please replace the third paragraph on page 5 of the specification as follows:

First of all, refer to the Fig 3, which is the schematic view of the scanner with a light source for a transparent sheet of a scanner of this present invention. As shown in this Fig, the scanner 3 composes the lower shell object 30 and the upper shell object 31, the components of the lower shell object 30 (such as the imagine-adopter-image adaptor 32) are as-the same as those of the conventional scanner; but for the reason of improving the imagines'-images' quality of the transparent sheet of the present invention, the transparency adaptor 33 within the upper shell object 31 uses a lamp 330 to emit the light rays and the reflective plate 331 to focus and reflect the light rays onto the scanning platform 301 for scanning the transparent sheet. Below is the further detailed describing description of the transparency adaptor of the present invention:

Please replace the first full paragraph on page 6 of the specification as follows:

Furthermore, the spreading plate 332 of the apparatus having the light source for a transparent sheet of a scanner 33 is a thin film with the function to spread uniformly the light passing through it. As shown in Fig 6 (an isometric exploded bottom view), it-the spreading plate 332 is proximate to-between the lamp 330 and the reflective plate 331 and covers the lamp 330. The surface of the spreading plate 332 has several perforations for balancing the brightness of the light rays emitted by the lamp 330, the present invention increases-decreases the perforations of the spreading plate 332 relatively to the brighter position of the lamp 330 (such as the central part of the lamp 330) to decrease the illumination, so the brightness of the light rays wherein will be lowered. It is opposite that decreases-increasing the perforations of the spreading plate 332 relatively to the darker location of the lamp 330 (such as the two ends of the lamp 330) to-raises illumination, so the brightness of the light rays will be increased. By the actions described above, which can balance the light rays for the scanning platform, the quality of the digital output from the present invention will be improved as well.